



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.08/NVR/CSR-04/325b/CEMENT/2017-18

Date: 20.04.2017

TEST REPORT ON CEMENT

* Customer	:	Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	Mr. N. Venkata Reddy, #92, 7 th Main Road, 4 th Cross, J.C. Nagara, Mahalakshmpuram (P), Bangalore - 560 086.
* Name of Work	:	Improvements to Roads and Drains in Kodigehalli and Extension areas in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	AEE/KH/QC/ /2017-18 Dated: 19.04.2017
* Sample ID	:	Cement - Sample 1
Sample Received on	:	19.04.2017
Period of Testing	:	19.04.2017 to 20.04.2017



The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988 (RA-2014)	28.50 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988 (RA-2014)	180 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988 (RA-2014)	490 Minutes	Not More than 600 Minutes
3	Soundness by Le Chatelier Method	IS-4031 (Part-3) 1988 (RA-2014)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported within 30 days from the date of testing.



VIDYARANI P.K.
Technical Manager

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.
Bangalore.



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.08/NVR/CSR-04/325b/SAND-Gradation/2017-18

20.04.2017

TEST REPORT ON SIEVE ANALYSIS OF FINE AGGREGATES

* Customer	: Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	: Mr. N. Venkata Reddy, #92, 7th Main Road, 4th Cross, J.C. Nagara, Mahalakshmpuram (P), Bangalore - 560 086.
* Name of Work	: Improvements to Roads and Drains in Kodigehalli and Extension areas in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	: AEE/KH/QC/ /2017-18 Dated: 19.04.2017
* Sample ID	: Fine Aggregates
Technical Reference	: IS : 2386 (Part 1) - 1963 (RA-2011)
Sample Received On	: 19.04.2017
Date of Testing	: 20.04.2017



Total Wt. of Aggregates in gms = 1000

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2011)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	94.00	90-100	90-100	90-100	95-100
2.36	75.80	60-95	75-100	85-100	95-100
1.18	53.80	30-70	55-90	75-100	90-100
600 Micron	23.90	15-34	35-59	60-79	80-100
300 Micron	14.60	5-20	8-30	12-40	15-50
150 Micron	4.40	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.



VIDYARANI P.K.
Technical Manager

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore

#25/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.08/NVR/CSR-04/325b/AGG/GR/2017-18

20.04.2017

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	: Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	: Mr. N. Venkata Reddy, #92, 7th Main Road, 4th Cross, J.C. Nagara, Mahalakshimpuram (P), Bangalore - 560 086.
* Name of Work	: Improvements to Roads and Drains in Kodigehalli and Extension areas in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	: AEE/KH/QC/ /2017-18 Dated: 19.04.2017
* Sample ID	: Coarse Aggregates (40mm)
Technical Reference	: IS : 2386 (Part 1) -1963 (RA-2011)
Sample Received on	: 19.04.2017
Date of Testing	: 20.04.2017



Total Wt. of Aggregates in gms= 5000

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2011)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	96.00	95-100	85-100
20	36.00	30-70	0-20
10	15.80	10-35	0-5
4.75	2.00	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under graded specific limits.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.



VIDYARANI P.K.
Technical Manager

Assistant Executive Engineer
Kodigehalli Sub Division,
#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Yelahanka Zone, B.B.M.P.
Bangalore.

Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005



Job No.: CTCE/BBMP/W.No.08/NVR/Steel/2017-18

20.04.2017

TEST REPORT ON REINFORCEMENT STEEL

* Customer	: Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	: Mr. N. Venkata Reddy, #92, 7th Main Road, 4th Cross, J.C. Nagara, Mahalakshmpuram (P), Bangalore - 560 086.
* Name of work	: Improvements to Roads and Drains in Kodigehalli and Extension areas in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	: AEE/KH/QC/ /2017-18 Dated: 19.04.2017
* Samples ID	: 10 mm Bar
Technical Reference	: IS: 1786-2008 (RA-2013)
Date of Testing	: 20.04.2017



Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	10	0.62	513	554	13.15	O.K	O.K

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Handwritten signature: AEC 08
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Handwritten signature: [Signature]
Civil-tech Consultants & Engineers
#23/14, 7th Cross, 3rd Stage 4th Block,
Shakthi Ganapathinagar,
Basaveshwaranagar, Bangalore-560 079.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005



Job No.: CTCE/BBMP/W.No.08/NVR/Steel/2017-18

20.04.2017

TEST REPORT ON REINFORCEMENT STEEL

* Customer	: Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	: Mr. N. Venkata Reddy, #92, 7th Main Road, 4th Cross, J.C. Nagara, Mahalakshmpuram (P), Bangalore - 560 086.
* Name of work	: Improvements to Roads and Drains in Kodigehalli and Extension areas in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	: AEE/KH/QC/ /2017-18 Dated: 19.04.2017
* Samples ID	: 12 mm Bar
Technical Reference	: IS: 1786-2008 (RA-2013)
Date of Testing	: 20.04.2017



Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	12	0.89	515	556	13.3	O.K	O.K

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

At-08
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Civil-tech Consultants & Engineers

#23/14, 7th Cross 3rd Stage 4th Block,
Shakthi Ganapathinagar,
Basaveshwaranagar, Bangalore-560 079.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.08/NVR/CSR-04/325b/Precsat slab/2017-18

25.04.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	Mr. N. Venkata Reddy, #92, 7th Main Road, 4th Cross, J.C. Nagara, Mahalakshmiapuram (P), Bangalore - 560 086.
* Name of sub work	:	Improvements to Roads and Drains in Kodigehalli and Extension areas in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	AEE/KH/QC/ /2017-18 Dated: 19.04.2017
* Sample ID	:	Precsat slab (100mm thick)
* Grade of Concrete	:	M ₂₀
Technical Reference	:	IS:516-1959 (RA- 2013), SP-24:1983.
Sample Received on	:	20.04.2017
Date of Testing	:	25.04.2017



Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m ³)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm ²)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm ²)	Equivalent Cube Compressive Strength (N/mm ²)
1	50.00	78.00	0.389	2539.95	1.56	0.952	30.25	15.41	16.64	17.47	21.84
2	50.00	79.00	0.399	2572.27	1.58	0.955	32.85	16.73	18.07	17.25	21.56
3	50.00	80.00	0.403	2565.58	1.60	0.957	33.90	17.27	18.65	17.84	22.30

* Information is furnished by the Customer/Representative

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.



VIDYARANI P.K.
Technical Manager

At 28
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.08/NVR/CSR-04/325b/Precsat slab/2017-18

25.04.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	:	Mr. N. Venkata Reddy, #92, 7th Main Road, 4th Cross, J.C. Nagara, Mahalakshmiapuram (P), Bangalore - 560 086.
* Name of sub work	:	Improvements to Roads and Drains in Kodigehalli and Extension areas in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	:	AEE/KH/QC/ /2017-18 Dated: 19.04.2017
* Sample ID	:	Precsat slab (250mm thick)
* Grade of Concrete	:	M ₂₀
Technical Reference	:	IS:516-1959 (RA- 2013), SP-24:1983.
Sample Received on	:	20.04.2017
Date of Testing	:	25.04.2017



Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m ³)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm ²)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm ²)	Equivalent Cube Compressive Strength (N/mm ²)
1	50.00	82.00	0.405	2515.42	1.64	0.961	31.85	16.22	17.52	18.23	22.78
2	50.00	83.00	0.412	2528.07	1.66	0.963	33.55	17.09	18.45	17.78	22.22
3	50.00	85.00	0.420	2516.52	1.70	0.968	34.65	17.65	19.06	18.44	23.05

* Information is furnished by the Customer/Representative

Note:

- ⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒Any Query regarding the report must be reported within 30 days from the date of testing.

VIDYARANI P.K.
Technical Manager

AF W-8
R
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.08/NVR/CSR-04/325b/Cube/2017-18

22.05.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	: Mr. N. Venkata Reddy, #92, 7th Main Road, 4th Cross, J.C. Nagara, Mahalakshmpuram (P), Bangalore - 560 086.
* Name of the work	: Improvements to Roads and Drains in Kodigehalli and Extension areas in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	: AEE/KH/QC/ /2017-18 Dated: 19.04.2017
* Sample ID	: RCC Drain Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm ²
* Grade of Concrete	: M ₂₀
Compressive Strength as on	: 28 th day
Sample Received on	: 22.05.2017



Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	24.04.2017	22.05.2017	8.192	478.3	21.26
2	24.04.2017	22.05.2017	8.256	492.3	21.88
3	24.04.2017	22.05.2017	8.382	506.8	22.52

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.



At W.B.
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

U
VIDYARANI P.K.
Technical Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.08/NVR/CSR-04/325b/Cube/2017-18

22.05.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	: Mr. N. Venkata Reddy, #92, 7th Main Road, 4th Cross, J.C. Nagara, Mahalakshmpuram (P), Bangalore - 560 086.
* Name of the work	: Improvements to Roads and Drains in Kodigehalli and Extension areas in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	: AEE/KH/QC/ /2017-18 Dated: 19.04.2017
* Sample ID	: RCC Drain Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm ²
* Grade of Concrete	: M ₂₀
Compressive Strength as on	: 28 th day
Sample Received on	: 22.05.2017



Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	24.04.2017	22.05.2017	8.192	502.2	22.32
2	24.04.2017	22.05.2017	8.298	516.3	22.95
3	24.04.2017	22.05.2017	8.325	529.7	23.54

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.



Vidharani P.K.
VIDYARANI P.K.
Technical Manager

Aravind
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.08/NVR/CSR-04/325b/Cube/2017-18

24.05.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	: Mr. N. Venkata Reddy, #92, 7th Main Road, 4th Cross, J.C. Nagara, Mahalakshimpuram (P), Bangalore - 560 086.
* Name of the work	: Improvements to Roads and Drains in Kodigehalli and Extension areas in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	: AEE/KH/QC/ /2017-18 Dated: 19.04.2017
* Sample ID	: RCC Drain Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm ²
* Grade of Concrete	: M ₂₀
Compressive Strength as on	: 28 th day
Sample Received on	: 24.05.2017



Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	26.04.2017	24.05.2017	8.266	482.3	21.44
2	26.04.2017	24.05.2017	8.392	493.5	21.93
3	26.04.2017	24.05.2017	8.410	506.5	22.51

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.



U.P.

VIDYARANI P.K.
Technical Manager

Ag 128
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P
Bangalore.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.08/NVR/CSR-04/325b/Cube/2017-18

24.05.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	: Mr. N. Venkata Reddy, #92, 7th Main Road, 4th Cross, J.C. Nagara, Mahalakshmpuram (P), Bangalore - 560 086.
* Name of the work	: Improvements to Roads and Drains in Kodigehalli and Extension areas in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	: AEE/KH/QC/ /2017-18 Dated: 19.04.2017
* Sample ID	: RCC Drain Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm ²
* Grade of Concrete	: M ₂₀
Compressive Strength as on	: 28 th day
Sample Received on	: 24.05.2017



Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	26.04.2017	24.05.2017	8.110	476.5	21.18
2	26.04.2017	24.05.2017	8.299	495.5	22.02
3	26.04.2017	24.05.2017	8.382	510.6	22.69

*Information is furnished by the Customer/Representative.

Note:

- ⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒Any Query regarding the report must be reported within 30 days from the date of testing.



VIDYARANI P.K.
Technical Manager

Assistant Executive Engineer
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P.
Bangalore.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.08/NVR/CSR-04/325b/Cube/2017-18

26.05.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	: Mr. N. Venkata Reddy, #92, 7th Main Road, 4th Cross, J.C. Nagara, Mahalakshmpuram (P), Bangalore - 560 086.
* Name of the work	: Improvements to Roads and Drains in Kodigehalli and Extension areas in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	: AEE/KH/QC/ /2017-18 Dated: 19.04.2017
* Sample ID	: RCC Drain Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm ²
* Grade of Concrete	: M ₂₀
Compressive Strength as on	: 28 th day
Sample Received on	: 26.05.2017



Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	28.04.2017	26.05.2017	8.199	502.2	22.32
2	28.04.2017	26.05.2017	8.258	512.6	22.78
3	28.04.2017	26.05.2017	8.352	529.8	23.55

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.



At W-8
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Vij
VIDYARANI P.K.
Technical Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.08/NVR/CSR-04/325b/Cube/2017-18

26.05.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	: Mr. N. Venkata Reddy, #92, 7th Main Road, 4th Cross, J.C. Nagara, Mahalakshmpuram (P), Bangalore - 560 086.
* Name of the work	: Improvements to Roads and Drains in Kodigehalli and Extension areas in Ward No.08, Kodigehalli, BBMP, Bangalore.
* Reference	: AEE/KH/QC/ /2017-18 Dated: 19.04.2017
* Sample ID	: RCC Drain Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm ²
* Grade of Concrete	: M ₂₀
Compressive Strength as on	: 28 th day
Sample Received on	: 26.05.2017



Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	28.04.2017	26.05.2017	8.208	477.6	21.23
2	28.04.2017	26.05.2017	8.328	506.5	22.51
3	28.04.2017	26.05.2017	8.418	513.4	22.82

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.



VIDYARANI P.K.
Technical Manager

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com